

$$LCL = \bar{\bar{x}} - t_{0.95} \left( \frac{s}{\sqrt{n}} \right)$$

And  $\bar{\bar{x}}$  is the sample mean; s is the sample standard deviation; n is the number of samples; and  $t_{0.95}$  is the t statistic for a 95% one-tailed confidence interval with n-1 degrees of freedom (from Appendix D).